Contents of Volume 9

NUMBER 1

One Day in the Life of a Stream—A Diurnal Inorganic Carbon Mass Balance for a Travertine-Depositing Stream (Waterfall Beck, Yorkshire)
Baruch Spiro and Allan Pentecost 1

Physiology and Kinetics of Manganese-Reducing *Bacillus polymyxa* Strain D1 Isolated from Manganiferous Silver Ore
Patricia Anne Rusin, Leticia Quintana, Norval Arthur Sinclair, Robert Glenn Arnold, and Karen Lee Oden 13

Dissolution of Ferrites by *Clostridium* sp.
A. J. Francis and C. J. Dodge 27

Chemolithotrophic Sulfur Bacteria in Sediments, Mats, and Stromatolites of Western Australian Saline Lakes
Ann P. Wood, Chris M. Burke, Brenton Knott, and Don P. Kelly 41

Mineral Remains of Early Life on Earth? On Mars?
Eleanora Iberall Robbins and Arthur S. Iberall 51

Book Reviews 67

Further Readings in Geomicrobiology 69

Meeting Announcement 77

NUMBER 2/3

Special Issue:
Microbial Weathering of Natural and Artificial Stone

Introduction 79

Adhesion to and Degradation of Marble by a *Micrococcus* Strain Isolated from It
C. Urzì, S. Lisi, G. Criseo, and A. Pernice 81

Role of Microorganisms in the Weathering of Minerals in Building Stone of Historical Buildings
Natalie N. Lyalikova and Yulia P. Petushkova 91

Photosynthesis-Based Microbial Communities on Two Churches in Northern Germany: Weathering of Granite and Glazed Brick
Robert J. Palmer, Jr., and Peter Hirsch 103

Microbiological Corrosion of Concrete Structures of Hydraulic Facilities
T. V. Zherebyateva, E. V. Lebedeva, and G. I. Karavaiko 119

Biodeterioration of Mineral Materials by Microorganisms—Biogenic Sulfuric and Nitric Acid Corrosion of Concrete and Natural Stone
W. Sand and E. Bock 129

Biocorrosion and Biodeterioration of Antique and Medieval Glass
Wolfgang E. Krumbein, Clara E. Urzì, and Cornelia Gehrmann .. 139

Further Readings in Geomicrobiology 161

Meeting Announcements 167

NUMBER 4

Acknowledgments iii

Microbially Enhanced Oil Recovery from Carbonate Reservoirs
Ralph S. Tanner, Emmanuel O. Udegbunam, Michael J. McInerney, and Roy M. Knapp 169

Hydrogeologic Parameters Affecting Vadose-Zone Microbial Distributions
Karen J. Severson, Donald J. Johnstone, C. Kent Keller, and Brian D. Wood 197

Activities of Phosphomonoesterases as Influenced by Goethite and Pyrite
M. R. Bayan and F. Eivazi 217

Isolation and Characterization of Thermophilic, Alkaliphilic, Cellulose-Degrading *Bacillus thermoalcaliphilus* sp. nov. from Termite (*Odontotermes obesus*) Mound Soil of a Semiarid Area
Aditi Sarkar 225

Book Review 233

Further Readings in Geomicrobiology 235

Authors' Corrections 239

Meeting Announcements 241

Following page 242:

Title page to Volume 9
Contents of Volume 9
Author index to Volume 9

Abstracted and/or indexed in: Bioscience Service; Chemical Abstracts Service; Current Advances in Ecological Sciences; Current Contents/Agriculture, Biology, & Environmental Sciences; Current Contents/Life Sciences; Ecological Abstracts; Geographical Abstracts; International Development Abstracts; ISI/Geo Sci Tech; Microbiology Abstracts; Science Citation Index.